Courage to Soar			
2006 Science			
Grade Level Expectations			
Delaware Science			
Grade 3			
Activity/Lesson	**State**	**Standards**	
Kite Flight	DE	SCI.3.1.1.1	Generate questions and predictions using observations and exploration about the natural world.
Kite Flight	DE	SCI.3.1.1.2	Generate and follow simple plans using systematic observations to explore questions and predictions.
Flying a Styrofoam Plane	DE	SCI.3.1.1.16	Examine an assortment of rocks and use appropriate measuring tools (balances, meter tapes, syringes) to gather data about the rocks' physical properties (length, circumference, weight).
Flying a Styrofoam Plane	DE	SCI.3.5.3.1	Examine an assortment of rocks and use appropriate measuring tools (balances, meter tapes, syringes) to gather data about the rocks' physical properties (length, circumference, weight).
Looking for Answers:A research project	DE	SCI.3.1.1.3	Collect data using observations, simple tools and equipment. Record data in tables, charts, and bar graphs. Compare data with others to examine and question results.
Looking for Answers:A research project	DE	SCI.3.1.1.6	Use mathematics, reading, writing, and technology when conducting an investigation and communicating the results.
The Matter of Air	DE	SCI.3.1.1.1	Generate questions and predictions using observations and exploration about the natural world.
The Matter of Air	DE	SCI.3.1.1.2	Generate and follow simple plans using systematic observations to explore questions and predictions.
Controlling the Plane	DE	SCI.3.1.1.1	Generate questions and predictions using observations and exploration about the natural world.
Controlling the Plane	DE	SCI.3.1.1.2	Generate and follow simple plans using systematic observations to explore questions and predictions.
Controlling the Plane	DE	SCI.3.1.1.3	Collect data using observations, simple tools and equipment. Record data in tables, charts, and bar graphs. Compare data with others to examine and question results.
Courage to Soar			
2006 Science			
Grade Level Expectations			
Delaware Science			
Grade 4			

Activity/Lesson	State	Standards	
Kite Flight	DE	SCI.4.1.1.2	Design and conduct simple to multi-step investigations in order to test predictions. Keep constant all but the condition being tested.
Aviation Pioneers	DE	SCI.4.1.1.2	Design and conduct simple to multi-step investigations in order to test predictions. Keep constant all but the condition being tested.
Looking for Answers:A research project	DE	SCI.4.1.1.3	Accurately collect data using observations, simple tools and equipment. Display and organize data in tables, charts, diagrams, and bar graphs or plots over time. Compare and question results with and from others.
Looking for Answers:A research project	DE	SCI.4.1.1.6	Use mathematics, reading, writing, and technology when conducting scientific inquiries.
The Matter of Air	DE	SCI.4.1.1.2	Design and conduct simple to multi-step investigations in order to test predictions. Keep constant all but the condition being tested.
Controlling the Plane	DE	SCI.4.1.1.2	Design and conduct simple to multi-step investigations in order to test predictions. Keep constant all but the condition being tested.
Controlling the Plane	DE	SCI.4.1.1.3	Accurately collect data using observations, simple tools and equipment. Display and organize data in tables, charts, diagrams, and bar graphs or plots over time. Compare and question results with and from others.
Courage to Soar			
2006 Science			
Grade Level Expectations			
Delaware Science			
Grade 5			
Activity/Lesson	**State**	**Standards**	
Kite Flight	DE	SCI.5.1.1.1	Generate focused questions and informed predictions about the natural world.
Soaring Higher	DE	SCI.5.1.1.19	Use rulers, meter sticks, tapes, and watches to measure the distance objects travel in a given period of time and how much time it takes for an object to travel a certain distance. Organize the measurements in tables, and construct graphs based on the measurements. Reach qualitative conclusions about the speeds of the objects (faster versus slower).

Soaring Higher	DE	SCI.5.3.1.9	Identify that the energy of a moving object depends upon its speed. Give examples of how an object's energy of motion increases when the object's speed increases.
Looking for Answers:A research project	DE	SCI.5.1.1.3	Accurately collect data using observations, simple tools and equipment. Display and organize data in tables, charts, diagrams, and bar graphs or plots over time. Compare and question results with and from others.
Looking for Answers:A research project	DE	SCI.5.1.1.6	Use mathematics, reading, writing, and technology when conducting scientific inquiries.
Looking for Answers:A research project	DE	SCI.5.1.2.2	Recognize that solar energy, an inexhaustible source, is an alternative energy source to fossil fuels, an exhaustible source. Using books, computers and other resources, search for ways that we can use sunlight to heat and light our homes, and generate electrical energy. Report your results by making a poster, a written report or an oral presentation.
Controlling the Plane	DE	SCI.5.1.1.2	Design and conduct simple to multi-step investigations in order to test predictions. Keep constant all but the condition being tested.
Controlling the Plane	DE	SCI.5.1.1.3	Accurately collect data using observations, simple tools and equipment. Display and organize data in tables, charts, diagrams, and bar graphs or plots over time. Compare and question results with and from others.